IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

June 21, 1996

CERTIFIED MAIL #P 875 705 045

Larry Peak
Facility Manager
Interstate Concrete & Asphalt
P.O. Box 1113
Sandpoint, Idaho 83864

RE: Tier II Operating Permit #017-00048
Interstate Concrete & Asphalt (Sandpoint)

Dear Mr. Peak:

The Division of Environmental Quality (DEQ) received Interstate Concrete & Asphalt's (Interstate) request for the modification of control equipment specifications for your facility's hot mix asphalt plant on May 8, 1996.

The specifications have been incorporated into your Tier II Operating Permit, as requested. The text on pages 2 and 3 of 15 of your permit have been changed to reflect the modification. Please update your copy of Tier II Operating Permit #017-00048 by replacing the appropriate page with those enclosed.

If you have any questions or comments about this matter please contact Brian R. Monson, Bureau Chief, Operating Permits Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green
Assistant Administrator
Permits and Enforcement

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Enclosures: Altered Permit Pages

cc: G. Burr, NIRO
Paul Franz, Interstate's Coeur d'Alene Office
M. McGown, DEQ Central Office
Source File
COF

AIR POLLUTION OPERATING PERMIT

PERMITTEE AND LOCATION

PERMIT NUMBER

Interstate Concrete & Asphalt
Asphalt Batch Plant and Concrete Batch Plant
Sandpoint, Idaho

017 - 00048

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Plant

1. SOURCE DESCRIPTION

1.1 Process Description

Haul trucks bring crushed aggregate and sand on site where it is dumped into storage piles. A front-end loader transfers aggregate and sand, as needed, to a four-bin cold feed hopper. Metered quantities of aggregate are fed from the hopper onto a conveyor. The conveyor passes the aggregate through a screen and delivers the aggregate to a natural gas-fired rotating drum dryer. In the drum dryer the aggregate is heated to approximately 300°F, is transported by a bucket conveyor to a size segregating screen and stored shortly before being reproportioned in a weigh hopper prior to transfer into a pug-mill mixer. In the pug-mill mixer the aggregate is thoroughly mixed with asphalt oil before either being dropped onto a drag slat conveyor for transport into storage silos, or into haul trucks.

Asphalt oil is delivered to the facility by bulk tankers. The tankers transport the asphalt oil to one of the storage tanks. The asphalt plant also loads raw aggregate into haul trucks from a front-end loader.

1.2 Control Description

Emissions from the drum dryer, hot storage bin, weigh scale and pug mill mixer are controlled by a baghouse. Reclaimed baghouse dust is combined with dried aggregate in the bucket conveyor.

1.2.1 Enclosing of Drop Points for Conditional Control Measures

Engineered enclosures shall be constructed around the three (3) material drop points in the asphalt plant's configuration.

1.3 Equipment Specifications

1.3.1 Barber Greene (1957) DA-65 natural gas fired drum dryer

1.3.1.1 Rated heat capacity is 36,000,000 British Thermal Units per hour (BTU/hr). Permitted production capacity is 140 tons per hour (T/hr). Permitted production capacity upon installation of all Conditional Control Measures and successful demonstration of compliance with the applicable New Source Performance Standard (NSPS) Subpart I grain loading standard of 0.04 grains per dry standard cubic foot (gr/dscf) and the PM and PM_{10} emission limits contained in Appendix A

1.3.2 AESCO Model 420 Baghouse

1.3.2.1 Baghouse configuration: 360 NOMEX bags (15 X 24); each bag is six (6) inches in diameter and one hundred and eighty (180) inches long.

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1.3.2.2 Performance design characteristics: air to cloth ratio of 5:1 and pressure drop of 3.5 inches water gauge.

1.3.2.3 Stack parameters: Stack height is 11.0 meters. Stack is square with total area of one (1) square meter

2. EMISSION LIMITS

2.1 Particulate Matter (PM) emissions shall not exceed 0.04 grains per dry standard cubic foot as required in 40 CFR Part 60, Subpart I; nor shall they exceed the pound per hour (lb/hr) and ton per year (T/yr) values listed in Appendix A.

2.2 Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM_{10}) shall not exceed the pound per hour (lb/hr) and ton per year (T/yr) values listed in Appendix A.

2.3 Visible emissions from the drum dryer baghouse stack shall not exceed 20 percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required by IDAPA 16.01.01.625 and using the Department's "Procedures Manual for Air Pollution Control".

3. OPERATING REQUIREMENTS

3.1 Maximum Throughput

3.1.1 The maximum hourly throughput shall be limited to the ton per hour (T/hr), ton per day (T/day), and ton per year (T/yr) limitations in Appendix B.

3.2 The Permittee shall, by no later than July 1, 1996, install the Conditional Control Measures, as described in Section 1.2.1 of this.

4. TESTING AND MONITORING REQUIREMENTS

4.1 Throughput Log

The following information shall be recorded and maintained on site for the most recent two (2) year period.

4.1.1 Amount (tons per hour and tons per day) of hot mix asphalt produced by the facility.

4.1.2 Amount (standard cubic feet per day) of natural gas burned in the Barber Greene drum dryer.